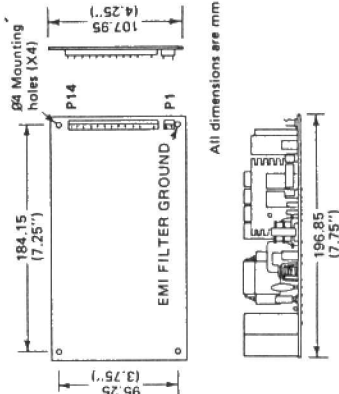
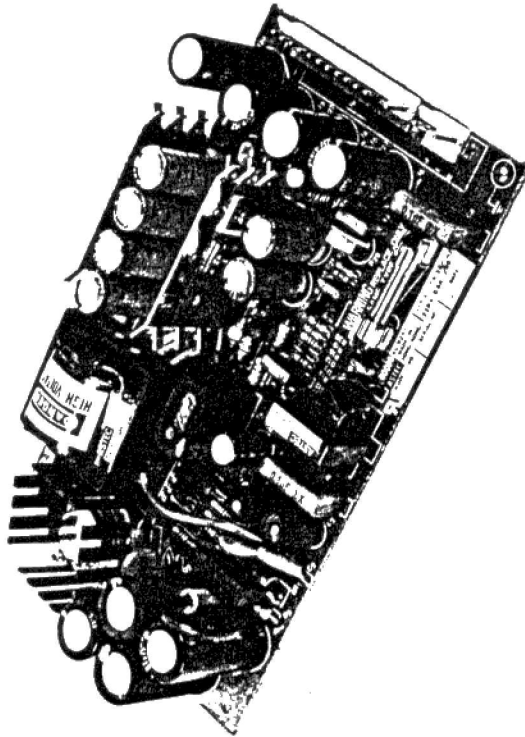


# PS AC9251 50 WATT SERIES

The AC9251 Switch-Mode Power Supply has been designed for use in intelligent terminals and micro-computers. The AC9251 has dual line inputs and regulated outputs of:

- +5V at 6A
- +12V at 1A
- 12V at 1.0A
- 5V at 0.5A

This compact open frame unit features low magnetic radiation and is built to conform to International Safety and RFI Regulations.



PIN ASSIGNMENT:		MATING CONNECTORS:	
AC Input	P1 P2	NEUTRAL LIVE	Molex Type 09-50-3031
DC Outputs	P3 P4 P5,6 P7,8,9 10,11 P12,13,14	-5V -12V +12V COMMON +5V	Molex Type 09-50-3131
Crimp Inserts		Molex Type 2478 (18 to 24 AWG)	

## ELECTRICAL SPECIFICATIONS

PS AC9251

PARAMETER	MIN	TYP	MAX	UNIT	NOTES
Input Voltage	90	115	135	VAC	
Input Frequency	47	50/60	400	Hz	
Outputs:					
VO1	4.95	5.0	5.05	V	+5V Output
IO1	1.0	3.0	6.0	A	
VO2	11.4	12.0	12.6	V	+12V Output
IO2	0.2	0.5	1.0	A	
VO3	-11.04	-12.0	-12.96	V	-12V Output
IO3	0.2	0.5	1.0	A	
VO4	-4.8	-5.0	-5.2	V	-5V Output
IO4	0.1	0.25	0.5	A	

Note: With +12V at 2A max., +5V will reduce to 4A max.

PARAMETER	MIN	TYP	MAX	UNIT	NOTES
Efficiency	65			%	At full load
Operating Temperature	0		50	°C	Ambient temp.
Output Ripple		0.1	0.2	%	1Hz to 10MHz
Line Regulation		0.2	1.0	%	
Load Regulation			3.0	%	
VO1, VO2, VO3, VO4			6.0	%	
Load Step Response Time			500	µS	For 20% step
Over Voltage Protection	5.9	6.4	6.9	V	+5V Supply
Hold-up Time	16	24		mS	At full load
MTBF					Greater than 50,000 hours when operated at full load and an ambient temperature of 25°C.
Short Circuit Loads					Indefinite period.
Open Circuit Loads					Indefinite period.
EMI Requirements					Meets the conduction limits of VDE 0871 'A' rules for 230 VAC In and FCC 'A' rules for 115 VAC In.
Safety Requirements					Meets UL 1012 safety standard for power supplies.

Price \$35.00 + VAT.

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